

Frederick Nicolas

CP1-5B12

PK1

2/12/03


Frederick:

Attached are the results to your request regarding sterile packaging for pharmaceutical products.

Please note that there may be several sets for one type of literature (e.g., full-text patents) as I spelled "sterili(z/s)ation" wrong the first time through. I went back and redid searches in all files where this occurred.

If you'd like this search reworked in any way, please don't hesitate to contact me at 305-8587 or Julie.walko@uspto.gov.

Sincerely,


Julie Walko
CP2 2C08

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Predevich Nicolas Examiner #: 77215 Date: 2/11/03
 Art Unit: 3754 Phone Number 301-56385 Serial Number: 09/973,256
 Mail Box and Bldg/Room Location: 5B12 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention:

Package for a pharmaceutical product & method of sterilizing the package.

Inventors (please provide full names):

GEORGY LAJOS & ECKHARD KRAUTLER.
LKIS

Earliest Priority Filing Date: 5/28/99

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Copy of claims & abstract.

Focus on prior art that teaches sterilizing/autoclaving a pharmaceutical container when it has been filled with product + air (ie, not adding air but leaving space in bottle, which will naturally contain air).

STAFF USE ONLY

Searcher: Julie Walke

Searcher Phone #: 305-8587

Searcher Location: CP2-2608

Date Searcher Picked Up: 2/13/03

Date Completed: 2/13/03

Searcher Prep & Review Time: 83m

Clerical Prep Time: _____

Online Time: 67m

PTO-1590 (8-01)

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) _____

Bibliographic ☒

Litigation _____

Fulltext ☒

Patent Family _____

Other _____

Vendors and cost where applicable

STN _____

Dialog ☒

Questel/Orbit _____

Dr.Link _____

Lexis/Nexis _____

Sequence Systems _____

WWW/Internet ☒

Other (specify) _____

A615
B656
→ B65D
222/568

Biblio
Patents

8/5/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013259626 **Image available**
WPI Acc No: 2000-431509/200037
XRAM Acc No: C00-131177
XRPX Acc No: N00-322030

**Sterile or aseptic handling or preparation of drugs , using a syringe
with encapsulated needle for connection to a bottle and flexible
container of sterilized gas**

Patent Assignee: CARMEL PHARMA AB (CARM-N)

Inventor: WESSMAN G

Number of Countries: 090 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200035517	A1	20000622	WO 99SE2144	A	19991122	200037 B
SE 9804190	A	20000604	SE 984190	A	19981203	200040
SE 513225	C2	20000807	SE 984190	A	19981203	200045
AU 200020097	A	20000703	AU 200020097	A	19991122	200046

Priority Applications (No Type Date): SE 984190 A 19981203

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200035517 A1 E 30 A61M-005/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

SE 9804190 A A61M-005/00

SE 513225 C2 A61M-005/00

AU 200020097 A A61M-005/00 Based on patent WO 200035517

Abstract (Basic): WO 200035517 A1

NOVELTY - A sterile or **aseptic** handling assembly, comprising a coupling member, and **bottle** connector for gas and liquid impermeable connection to a syringe, and a **bottle** with a seal, respectively. A syringe needle coupling is encapsulated for transport and couples to a connector on the **bottle** . The syringe needle also couples to a flexible **container** of sterilized gas for filling the syringe.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a method for sterile or **aseptic** handling, comprising using the novel assembly; and

(2) a gas **container** for use in the novel assembly, comprising a flexible bag of gas and liquid impermeable polymer material with high chemical, radiation and temperature resistance, the bag contains gas which has been sterilized inside, and has an opening covered by an impervious membrane which is puncturable with an injection needle and self-sealing.

USE - The assembly is used for the sterile or **aseptic** handling or preparation of **drugs** , and for the removal of medical wastes for destruction (claimed).

ADVANTAGE - Clean rooms or special equipment are not required. Staff are not exposed to hazardous materials or the risk of needle-stick injuries.

DESCRIPTION OF DRAWING(S) - The drawing shows a side view of a gas

container assembly for aseptic transfer.

Syringe (1a)
Coupling (2a)
Gas container (3a)
Membranes (6a, 10a)
Needle (7a)
Gas (11a)
Connector (14a).
pp; 30 DwgNo 1/3

Title Terms: STERILE; ASEPTIC ; HANDLE; PREPARATION; DRUG ; SYRINGE;
ENCAPSULATE; NEEDLE; CONNECT; BOTTLE ; FLEXIBLE; CONTAINER ; GAS
Derwent Class: B07; P33; P34
International Patent Class (Main): A61M-005/00
International Patent Class (Additional): A61J-001/005 ; A61J-001/05
File Segment: CPI; EngPI

8/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

008570975 **Image available**
WPI Acc No: 1991-075008/199111
XRAM Acc No: C91-031783
XRPX Acc No: N91-057980

Intravenous fluid prepn. using way valve - to connect medicament vial
to atmosphere via sterile filter or to diluent container , or to block
all communication

Patent Assignee: NPBI NED PRODUKTIELAB BLOEDTRANS (NPBI-N); NPBI NED PROD
LAB B (NPBI-N)

Inventor: BIEKART F T; HILBRINK H E; VAN DER HEIDEN J; BIEKAT F T;
VANDERHEID J

Number of Countries: 006 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 416454	A	19910313	EP 90116554	A	19900829	199111 B
US 4997430	A	19910305	US 89403744	A	19890906	199112
EP 416454	B1	19940608	EP 90116554	A	19900829	199422
DE 69009634	E	19940714	DE 609634	A	19900829	199428
			EP 90116554	A	19900829	

Priority Applications (No Type Date): US 89403744 A 19890906

Cited Patents: A3...9146; EP 163373; EP 5606; EP 91310; NoSR.Pub; WO
8601712; WO 8900836

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 416454 A

Designated States (Regional): DE FR GB IT NL

EP 416454 B1 E 15 A61J-001/00

Designated States (Regional): DE FR GB IT NL

DE 69009634 E A61J-001/00 Based on patent EP 416454

Abstract (Basic): EP 416454 A

Medicament vial (10) is fitted to a valve (25) attached to a
flexible container (30) containing a physiological diluent, a needle
(23) on the valve piercing a sealing membrane (12) of the vial (10) and
the valve having a sterilising filter communicating with the
atmosphere. In a first position of the valve communication between the
container (30) and the vial (10) is blocked but the vial is connected
to atmosphere via the sterilising filter to equalise pressure in the

vial to atmospheric pressure. In a second position of the valve the vial is connected to the **container** and connection to the filter is blocked so that by squeezing and releasing the **container** diluent can be transferred to the vial and diluent and **medicament** transferred from the vial to the **container**. Thereafter **air** is forced from the **container** into the vial.

USE/ADVANTAGE - In preparing an **aseptic** soln. for parenteral administration. Provides a simple apparatus and process for preparing IV administration solutions with reduced risk of inclusion of foreign material such as microorganisms, pyrogens or particles and without exposing the user to the **medicament**. (12pp Dwg.No.1/6)

Title Terms: INTRAVENOUS; FLUID; PREPARATION; WAY; VALVE; CONNECT;

MEDICAMENT ; VIAL; ATMOSPHERE; STERILE; FILTER; DILUTE; **CONTAINER** ;
BLOCK; COMMUNICATE

Derwent Class: B07; P33; P34

International Patent Class (Main): **A61J-001/00**

International Patent Class (Additional): A61M-005/14

File Segment: CPI; EngPI

8/5/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008262130 **Image available**

WPI Acc No: 1990-149131/199020

XRAM Acc No: C90-065230

XRPX Acc No: N90-115615

Closures for pharmaceutical containers - comprising elastomer coated with poly-p-xylene

Patent Assignee: PHARMA GUMMI WIMMER GMBH (PHAG); WEST, THE CO (WETC)

Inventor: KIANG P H; ROMBERG V G; WAYNE C T

Number of Countries: 013 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 368103	A	19900516	EP 89120044	A	19891028	199020 B
FI 8905265	A	19900508				199032
US 4973504	A	19901127	US 88267828	A	19881107	199050
EP 368103	B1	19940223	EP 89120044	A	19891028	199408
DE 58907035	G	19940331	DE 507035	A	19891028	199414
			EP 89120044	A	19891028	

Priority Applications (No Type Date): US 88267828 A 19881107; US 8737959 A 19870413

Cited Patents: WO 8808012

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 368103 A

Designated States (Regional): AT BE CH DE ES FR GB IT LI NL SE

EP 368103 B1 G 9 B65D-039/18

Designated States (Regional): AT BE CH DE ES FR GB IT LI NL SE

DE 58907035 G B65D-039/18 Based on patent EP 368103

Abstract (Basic): EP 368103 A

Elastomer closures for **pharmaceutical containers** are coated with a 0.5-0.5 micron thick layer of poly-p-xylene (I).

Pref. the **containers** are made of glass. The closures have the following properties: (a) a coefft. of friction below 1; (b) a vacuum retention corresp. to an increase in pressure from P-846 mbar to no more than P-300 mbar over 24 hr., where P = atmos. pressure; (c) an

evapn. resistance such that the wt. loss from a **bottle** half-filled with a soln. contg. 0.9% NaCl and 0.4% phenol is not more than 0.9 mg after 16 hr. at a pressure of P-1016 mbar; (d) a gas exchange resistance such that no more than 2% N2 is replaced by **air** after 24 hr.

ADVANTAGE - The coatings are almost as effective in reducing friction (thus facilitating capping operations in automatic bottling plants) as thicker coatings of (I) (cf. WO 88/08012) while still retaining acceptable sealing properties. (10pp Dwg.No.1/2

Title Terms: CLOSURE; **PHARMACEUTICAL** ; **CONTAINER** ; COMPRISE; ELASTOMER; COATING; POLY; P; XYLENE

Derwent Class: A26; A82; A92; A96; B07; L01; P33; Q33; Q34

International Patent Class (Main): **B65D-039/18**

International Patent Class (Additional): **A61J-000/00** ; **B65D-081/24** ; C08J-007/04

File Segment: CPI; EngPI

8/5/23 (Item 23 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

05101550 **Image available**
STERILIZING METHOD FOR PRE-FILLED SYRINGE KIT

PUB. NO.: 08-057050 [JP 8057050 A]

PUBLISHED: March 05, 1996 (19960305)

INVENTOR(s): MATSUMOTO YASUYUKI

SAITO MASAHIRO

MORIKAWA JUNJI

TAKANO HIROSHI

APPLICANT(s): EIKEN CHEM CO LTD [414752] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 06-218103 [JP 94218103]

FILED: August 19, 1994 (19940819)

INTL CLASS: [6] A61M-005/178; **A61J-003/00**

JAPIO CLASS: 28.2 (SANITATION -- Medical); 14.4 (ORGANIC CHEMISTRY -- **Medicine**)

JAPIO KEYWORD:R125 (CHEMISTRY -- Polycarbonate Resins)

ABSTRACT

PURPOSE: To sterilize an injection syringe and an external member in one action and hold them at the **aseptic** state by sealing a fixing **container** fixed with a pre-filled syringe kit filled with a **medicine** into an injection syringe in advance into a bag-like sterilizer made of **air**-permeable and bacterium-impermeable nonwoven paper.

CONSTITUTION: A liquid leak preventing cap 1 is fitted at the tip of an injection cylinder 2, a sliding plug 3 is fitted at the rear end, and the liquid leak of a pre-filled syringe is prevented. The pre-filled syringe fitted with a piston 4 is fixed in a fixing **container** 12, and the deformation in the sterilization process is prevented. All or part of the fixing **container** 12 fixed with the pre-filled syringe is sealed with **air**-permeable and bacterium-impermeable nonwoven paper 11, and the **aseptic** state after sterilization is maintained. High-pressure steam sterilization (**autoclave** sterilization) is preferably used for the sterilization method, and a heat-resistant and pressure-resistant material capable of withstanding high-pressure steam sterilization is used as the material of the pre-filled syringe and fixing **container** 12.

8/5/24 (Item 24 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05068812 **Image available**
CONTAINER FOR TRANSFUSION

PUB. NO.: 08-024312 [JP 8024312 A]
PUBLISHED: January 30, 1996 (19960130)
INVENTOR(s): FUTAGAWA JUN
TADANO MITSUHIRO
APPLICANT(s): NISSHO CORP [470126] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 06-188762 [JP 94188762]
FILED: July 19, 1994 (19940719)
INTL CLASS: [6] A61J-001/05 ; B65D-083/00
JAPIO CLASS: 14.4 (ORGANIC CHEMISTRY -- Medicine); 28.2 (SANITATION --
Medical); 31.1 (PACKAGING -- General); 31.2 (PACKAGING --
Containers)

ABSTRACT

PURPOSE: To safely and easily mix dissolution liquid and powdery medicine by forming the inside of a capsule into a space of aseptic condition, forming an opening part to be communicated with a communicating path at any part excepting for the upper and lower needle tip parts of a double ended needle, and adding a hydrophobic filter here.

CONSTITUTION: When a vial 2 is slid downward, air in a aseptic space 9 inside a capsule 1 is compressed, the upper and lower needle tips of a double ended needle 7 pierce a rubber cock 4 of the vial 2 and a rubber cock 5 of a flexible container 3, and the dissolving liquid and the powdery medicine are mixed. When the vial 2 and the flexible container 3 are communicated by the double ended needle 7 in this case, the compressed air in the aseptic space 9 escapes and moves from an opening part 11 of the double ended needle 7 through an air introducing passage 15 and respectively moves through a communicative passage 10 into the vial 2 and the flexible container 3. Since a hydrophobic filter 13 is added to the opening part 11 of the double ended needle 7, the dissolution liquid or the powdery medicine can be prevented from leaking outside.

8/TI/1 (Item 1 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Resin aqueous dispersion for glass bottles , contains preset amount of polybasic acid including aromatic polybasic acid, polyalcohol including neopentyl alcohol and amino resin having specific polymerization degree

8/TI/2 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Polymer composition for pipes, sheets, molded articles, comprises copolymer of chlorotrifluoroethylene and copolymer of ethylene/chlorotrifluoroethylene and/or ethylene/tetrafluoroethylene

8/TI/3 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Film laminate, useful for packaging liquid medical products, especially water-based parenteral fluid or liquid lipophilic emulsion, has 3 or more layers based on polypropylene with no yield after sterilization with superheated steam

8/TI/4 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Aseptic packaging for e.g. foodstuff, medicine , involves sterilizing outside of sealed bag prior to loading bag into aseptic room

8/TI/5 (Item 5 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Storing assembly for products to be mixed just before use e.g. pharmaceutical product, includes supplement and main containers to store additive and aseptic product, separated by membrane which is cut before use

8/TI/6 (Item 6 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Medical glass container , for holding pharmaceutical or medical diagnostic solution, has an inner PECVD non-stick layer containing silicon, oxygen, carbon and hydrogen

8/TI/8 (Item 8 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Fully-closed multibottle drug automatic distributor

8/TI/9 (Item 9 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Dual chambered container for medicaments , e.g. dry drug and liq. -

is designed to prevent inter-permeation, chambers can be sterilised separately and joined with weak seals which can be broken

8/TI/10 (Item 10 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Prodn. of release-controlling compsn. - by sealing medicament and thermoplastic polymer is moulding container .

8/TI/12 (Item 12 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Dispenser for fluid substance - has elastically deformable shutter at end of outlet channel which closes automatically to prevent contamination of prod. in channel

8/TI/14 (Item 14 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Packaging and sterilising medicament squeeze- bottle - using expandable cap washer, filling residual air , blister packing, and sterilising

8/TI/15 (Item 15 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Valve for extracting sample quantities - fits on pipeline which has outlet hole with PTFE sealing block which is screwed down and forced to seal off radial valve stem in hole

8/TI/16 (Item 16 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Mixing pharmaceutical liquids to vacuum fill sachets - with automatic shut-off of each liq. component as supply flask empties

8/TI/17 (Item 17 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Stopper for evacuated bottles contg. pharmaceutical prods. - with valve for maintaining vacuum after two-stage autoclaving

8/TI/18 (Item 18 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Mfrg. containers for aseptic medicaments - using plant contg. several stations for shaping thermoplastic and or metallic matls

8/TI/19 (Item 19 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

PACKAGE FOR FLEXIBLE MEDICINE CONTAINER

8/TI/20 (Item 20 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

CAP FOR MEDICINE CONTAINER

8/TI/21 (Item 21 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

MEDICAL CONTAINER

8/TI/22 (Item 22 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

MANUFACTURE OF ASEPTIC CONTAINER

8/TI/25 (Item 25 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

MEDICAL CONTAINER

8/TI/26 (Item 26 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

DRUG -CONTAINING VESSEL

8/TI/27 (Item 27 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

VESSEL FOR HIGH-PRESSURE TREATMENT AND HIGH-PRESSURE TREATING METHOD

Set	Items	Description
S1	23125	AUTOCLAV? OR STERLIS? OR STERLIZ? OR ASEPTIC
S2	865953	BOTTLE? ? OR CONTAINER? ? OR PACKAG? OR RECEPTACL?
S3	440931	PHARMACEUT? OR DRUG? ? OR MEDICAMENT? ? OR MEDICIN? OR THE- RAP?(2N)AGENT? ?
S4	2102443	AIR OR SPACE OR ROOM OR UNFILLED OR "NOT"(2W)FILLED OR PAR- T?(2N)FILL??
S5	101	S1 AND S2 AND S3 AND S4
S6	27	S5 AND IC=(A61J OR B65D)
S7	27	IDPAT (sorted in duplicate/non-duplicate order)
S8	27	IDPAT (primary/non-duplicate records only)

? show files

File 347:JAPIO Oct 1976-2002/Oct(Updated, 030204)

(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200310

(c) 2003 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209

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11/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01025074

Container for therapeutic use
Behälter für therapeutische Verwendung
Conteneur pour usage thérapeutique

PATENT ASSIGNEE:

MATERIAL ENGINEERING TECHNOLOGY LABORATORY, INC., (828560), 21-13, Ohhara
2-chome, Setagaya-ku, Tokyo 156, (JP), (Applicant designated States:
all)

INVENTOR:

Shichi, Hiroyuki, 1-11-3-603, Sakashita, Itabashi-ku, Tokyo, (JP)
Yoshida, Takao, 3-17-3-201 Haruno, Ohmiya-shi, Saitama, (JP)
Suzuki, Tatsuo, 3349-18 Tokiwamachi, Machida-shi, Tokyo, (JP)
Isono, Keinosuke, 3-15-22 Totsukahigashi, Kawaguchi-shi, Saitama, (JP)

LEGAL REPRESENTATIVE:

Greenwood, John David et al (56695), Graham Watt & Co. Riverhead,
Sevenoaks Kent TN13 2BN, (GB)

PATENT (CC, No, Kind, Date): EP 914813 A2 990512 (Basic)
EP 914813 A3 010502

APPLICATION (CC, No, Date): EP 98308509 981019;

PRIORITY (CC, No, Date): JP 97316609 971104

DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A61J-001/18 ; A61J-001/10

ABSTRACT EP 914813 A2

A container for therapeutic use is formed of a main body, which is made of a flexible resin and provided with a bag portion. The bag portion is formed in a flat shape at at least a part thereof where mutually-opposing walls of the bag portion are peelably welded together at inner surfaces thereof to form a welded region (3). A hole (4) is formed as an attachment hole through at least one of the mutually-opposing walls in the welded region. A holder (5) with a medicament placed therein, said medicament being prone to a change in property or color upon absorption of moisture, is hermetically attached to the at least one wall over the attachment hole (4) to seal the medicament in the holder. A moisture-barrier member (11) with a desiccant (8) placed therein is arranged on a side opposite to the holder so that the other wall of the bag portion is hermetically covered by the moisture-barrier member (11) at a position at least corresponding to the attachment hole (4).

ABSTRACT WORD COUNT: 173

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report: 010502 A3 Separate publication of the search report
Application: 990512 A2 Published application (Alwith Search Report
;A2without Search Report)

Examination: 020102 A2 Date of request for examination: 20011022

LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION so that the cover member is hermetically covered by the moisture-barrier member.

In the **container** for therapeutic use having the construction as described above, the **medicament** is filled and lyophilized in the holder

and, while being kept under **aseptic** conditions, the holder with the **medicament** held therein is attached to the joined region of the main body of the **container**. Upon production of the **container**, **aseptic** operation can be achieved simply and easily. Further, the other wall of the bag portion...

...moisture-barrier member, thereby preventing the desiccant from absorbing moisture in the surrounding atmosphere. A **space** formed between the other wall of the bag portion or the cover member and the...

11/5,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00524032

Drug vessel.

Arzneigefass.

Recipient pour medicaments.

PATENT ASSIGNEE:

NISSHO CORPORATION, (752515), 9-3, Honjo-nishi 3-chome, Kita-ku,
Osaka-shi, Osaka-fu, (JP), (applicant designated states:
BE;DE;ES;FR;GB;IT;NL;SE)

INVENTOR:

Futagawa, Hitoshi, 5-7, Yagura 2-chome, Kusatsu-shi, Shiga-ken, (JP)
Ikeda, Koji, 4-1-404, Higashinakahama 2-chome, Joto-ku, Osaka-shi,
Osaka-fu, (JP)
Kikuchi, Toshihiro, 23-6-201, Esaka-cho 4-chome, Suita-shi, Osaka-fu,
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LEGAL REPRESENTATIVE:

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Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 528231 A1 930224 (Basic)

APPLICATION (CC, No, Date): EP 92113014 920730;

PRIORITY (CC, No, Date): JP 91223466 910808

DESIGNATED STATES: BE; DE; ES; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: **A61J-001/00**

CITED PATENTS (EP A): EP 431779 A; US 4234083 A; US 4927013 A; US 3932222 A
; US 4092546 A

ABSTRACT EP 528231 A1

A drug vessel (1) suitable for aseptic mixing of a drug with a solvent or diluent and for parenteral administration of the resultant solution, which comprises a cylindrical vessel body (2) reduced in diameter at both sides thereof to form a narrow mouth portion at each end, and a sealing means (5,6) to be attached to each mouth portion of the vessel body (2) for sealing the same. (see image in original document)

ABSTRACT WORD COUNT: 75

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 930224 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 930630 A1 Date of filing of request for examination:
930430

Examination: 950308 A1 Date of despatch of first examination report:
950123

Withdrawal: 980826 A1 Date on which the European patent application
was deemed to be withdrawn: 980304

LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION needle of a solution infusion set to perform an intravenous drip infusion.

Accordingly, using the **drug** vessel of the present invention there is provided a cheap **drug** transfusion set which is simple in structure and makes it possible to achieve, **aseptic** administering operations. Further, since the **drug** vessel of the present invention can be introduced **air** by piercing an airway needle, or a hollow needle with an **air** filter, into the stopper arranged in the upper mouth portion thereof, the solvent **container** to be combined with the **drug** vessel is never limited to flexible **containers**. In addition, the use of the **drug** vessel of the present invention set a patient at ease as the stopper is prevented from falling into the **drug** vessel and held on the pushing rod of the connecting member.

In the above embodiments...

11/5,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00418921

Method of and apparatus for administering medicament to a patient.

Methode und Gerat, einem Patienten ein Medikament zu verabreichen.

Methode et appareil pour administrer un medicament a un malade.

PATENT ASSIGNEE:

NPBI Nederlands Produktielaboratorium voor Bloedtransfusieapparatuur en Infusievloeistoffen B.V., (679300), Runde ZZ41, NL-7881 HM Emmen Compascuum, (NL), (applicant designated states: DE;FR;GB;IT;NL)

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LEGAL REPRESENTATIVE:

Masch, Karl Gerhard, Dr. et al (8081), Patentanwalte, Andrejewski, Honke & Partner, Postfach 10 02 54, D-45002 Essen, (DE)

PATENT (CC, No, Kind, Date): EP 416454 A2 910313 (Basic)

EP 416454 A3 911113

EP 416454 B1 940608

APPLICATION (CC, No, Date): EP 90116554 900829;

PRIORITY (CC, No, Date): US 403744 890906

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: **A61J-001/00** ; A61M-005/14

CITED PATENTS (EP A): WO 8601712 A; EP 163373 A; WO 8900836 A; EP 5606 A; EP 91310 A

ABSTRACT EP 416454 A2

An **aseptic** solution for IV administration is prepared by thrusting a **drug** vial (10) over a needle (24) of a connector having a valve (25) provided with a sterilizing **air** filter (40). In a first position of the valve, the communication to the IV **container** (30) is blocked, but the vial is connected to the atmosphere through the sterilizing **air** filter to allow equalization of the atmospheric pressure with the pressure in the vial. In the second position, the communication with the filter is cutoff and the vial is connected to the IV **container** to allow IV solution to enter the vial and solution to be transferred between the

vial and the IV **container** . In a final position, the ports of the valve are all blocked to close off the vial in which the sterile **air** is now trapped so that loss of the IV solution into the vial will be prevented.
ABSTRACT WORD COUNT: 154

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 910313 A2 Published application (Alwith Search Report
;A2without Search Report)
Search Report: 911113 A3 Separate publication of the European or
International search report
Examination: 920325 A2 Date of filing of request for examination:
920123
Examination: 930721 A2 Date of despatch of first examination report:
930604
Change: 940223 A2 Representative (change)
Grant: 940608 B1 Granted patent
Oppn None: 950531 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

...ABSTRACT A2

An **aseptic** solution for IV administration is prepared by thrusting a **drug** vial (10) over a needle (24) of a connector having a valve (25) provided with a sterilizing **air** filter (40). In a first position of the valve, the communication to the IV **container** (30) is blocked, but the vial is connected to the atmosphere through the sterilizing **air** filter to allow equalization of the atmospheric pressure with the pressure in the vial. In...

...the communication with the filter is cutoff and the vial is connected to the IV **container** to allow IV solution to enter the vial and solution to be transferred between the vial and the IV **container** . In a final position, the ports of the valve are all blocked to close off the vial in which the sterile **air** is now trapped so that loss of the IV solution into the vial will be...

...CLAIMS step of:

(f) subsequently displacing said valve (25, 52, 53) into a third position in **which** communication between said vial (10) and said filter (40, 59) and communication between said vial...

...valve (25, 52, 53) in each of said positions.

5. An apparatus for preparing an **aseptic** preparation for administration, comprising:

a flexible container (30) containing a physiological diluent;
a valved connector...

...said container (30) and a position for connecting said needle (24, 50) with said container (30); and

a vial (10) having a sealing membrane (12) pierceable by said needle (24, 50)...

...diluent from said container (30) into said vial (10) and a mixture of diluent and **said medicament** from said vial (10) into said container (30), characterized in that said displaceable means (25...

...container (30) with said vial (10) and said filter (40, 59) is blocked, and sterile **air** from the atmosphere is admitted through said filter (40, 59) into said vial (10) to...

...with said filter (40, 59) is blocked, and in said third position, mixture from said **container** (30) is prevented from reentering said vial (10).

6. The apparatus according to claim 5...

11/5,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00364243

Liquid purifying device

Reinigungsvorrichtung für eine Flüssigkeit

Dispositif pour purifier un liquide

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 338844 A1 891025 (Basic)
EP 338844 B1 960619

APPLICATION (CC, No, Date): EP 89303969 890421;

PRIORITY (CC, No, Date): JP 8898924 880421; JP 8983003 890331

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: B67D-005/02; **B65D-083/14**

CITED PATENTS (EP A): US 4595121 A; US 4595121 A; FR 367324 A; GB 815610 A;
JP 62125804 A; WO 88019181 A; US 2681252 A

ABSTRACT EP 338844 A1

A device for dispensing a liquid (16), including a container (10) having an interior space (12) accommodating the liquid, a first valve (24, 76, 92, 96, 100, 136, 140, 156) attached to the container, a delivery path (36, 38, 40, 52, 54, 56) having one end submerged in the liquid and extending through the container such that the other end is outside the container, and a second valve (34) disposed in the delivery path for closing and opening the delivery path. The first valve permits a pressurized gas to flow therethrough into the container to raise the pressure within the container, but inhibits a discharge flow of the pressurized gas and the liquid therethrough out of the interior space. The liquid is delivered out of the container through the delivery path, due to the raised pressure within the interior space. The device has a micro-porous membrane filter disposed in a portion of the delivery path

which is located upstream of the second valve, as viewed in the direction of delivery of the liquid. The micro-porous membrane filter removes microorganisms from the liquid delivered from the delivery path.
ABSTRACT WORD COUNT: 191

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 891025 A1 Published application (A1with Search Report
;A2without Search Report)
Examination: 891025 A1 Date of filing of request for examination:
890429
Examination: 910417 A1 Date of despatch of first examination report:
910301
Grant: 960619 B1 Granted patent
Change: 970416 B1 Representative (change)
Oppn None: 970611 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION protecting the liquid 16 against contamination by microorganisms.

In an alternative method of sterilization, the **container** 10 charged with the liquid 16 and closed by a cap other than the cap 20 is **autoclaved** for sterilization, and the sterilized micro-porous hollow fiber module and the sterilized cap 20 are set on the **container**. Then, the **container** is supplied with a sterile compressed **air**. This method is suitable where the liquid 16 is a **pharmaceutical** liquid for medical applications, which requires a particularly high degree of sterility.

Where the liquid 16 is a **pharmaceutical** liquid which cannot be sterilized by **autoclaving**, the sterilized **container** is charged with the sterilely prepared **pharmaceutical** liquid, and with a sterile compressed **air**. In this case, too, the purifying system is extremely sterile.

When the instant liquid purifying...

...SPECIFICATION protecting the liquid 16 against contamination by microorganisms.

In an alternative method of sterilization, the **container** 10 charged with the liquid 16 and closed by a cap other than the cap 20 is **autoclaved** for sterilization, and the sterilized micro-porous hollow fiber module and the sterilized cap 20 are set on the **container**. Then, the **container** is supplied with a sterile compressed **air**. This method is suitable where the liquid 16 is a **pharmaceutical** liquid for medical applications, which requires a particularly high degree of sterility.

Where the liquid 16 is a **pharmaceutical** liquid which cannot be sterilized by **autoclaving**, the sterilized **container** is charged with the sterilely prepared **pharmaceutical** liquid, and with a sterile compressed **air**. In this case, too, the purifying system is extremely sterile.

When the instant liquid purifying...

11/5,K/10 (Item 10 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00210199

Container and closure construction.

Behälter und Verschlussvorrichtung.

Recipient et construction de fermeture.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 225468 A2 870616 (Basic)
EP 225468 A3 881005
EP 225468 B1 921230

APPLICATION (CC, No, Date): EP 86115044 861030;

PRIORITY (CC, No, Date): US 806782 851209

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: **A61J-001/00**

CITED PATENTS (EP A): EP 117489 A; EP 155560 A; US 4606734 A; US 4601704 A;
US 4344472 A; US 4523691 A

ABSTRACT EP 225468 A2

A thin flexible fluid-tight cover (12) of PVC is bonded to a rigid port (20) of a diluent container (8) which is to be subjected to heat sterilization. The cover (10) includes an outer flange (50) for bonding to a complementary surface (55) around the port (20), and a removable section (60, 62) for spanning the port (20). The removable section includes a central flexible diaphragm portion (57) and a cylindrical wall portion (60). The diaphragm portion (57) has at least one annular convolution whereby the diaphragm section (57) is axially expandable by flexing of the convolution. A tear line (58) is provided in a frangible section which joins the cylindrical wall portion to the outer flange. The cylindrical wall portion of the cover is disposed adjacent the outer surfaces of an abutment wall on the port to provide stress relief against rupture of the tear line from stresses generated in the cover during sterilization. A narrow post (82) element is located adjacent the wall portion for concentrating manual pulling forces from an attached pull ring (76) to a limited segment of the tear line (58).

ABSTRACT WORD COUNT: 190

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 870616 A2 Published application (A1with Search Report
;A2without Search Report)
Change: 880921 A2 International patent classification (change)
Change: 880921 A2 Obligatory supplementary classification
(change)
Search Report: 881005 A3 Separate publication of the European or
International search report
Examination: 890607 A2 Date of filing of request for examination:
890325
Examination: 901107 A2 Date of despatch of first examination report:
900926
Grant: 921230 B1 Granted patent
Oppn None: 931222 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION interconnection of a vial end with a diluent container.
The port structure of a diluent **container** closure typically is

molded of a relatively rigid material such as a polyester which is dimensionally stable within sterilizing...

...of its designed configuration and dimensions for subsequent mating connection of a vial or other **container**. The cover member of the closure must meet differing requirements. The cover should be flexible to allow volumetric changes of the **space** which is enclosed **within** the port of **container** to minimize pressure **differentials** across the cover. It must withstand anticipated stresses and yet must be tearable to facilitate...

...for use as a cover and have been approved by the United States Food and Drug Administration for **pharmaceutical containers**. However, such **PVC materials** often have a negative coefficient of expansion and tend to distort and shrink during **autoclave** sterilization. Also known from EP-A-0,117,489 is a **container** as defined in the precharacterizing part of claim 1. Apparently due to such characteristics, a...

11/5,K/16 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00761140

PACKAGE FOR A PHARMACEUTICAL PRODUCT AND METHOD OF STERILISING THE PACKAGE
EMBALLAGE POUR PRODUIT PHARMACEUTIQUE ET PROCEDE DE STERILISATION DE CET
EMBALLAGE

Patent Applicant/Assignee:

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NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT MBH, Brunner Strasse 59, A-1230 Vienna, AT, AT (Residence), AT (Nationality), (Designated only for: AT)

Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200073156 A1 20001207 (WO 0073156)
Application: WO 2000EP4828 20000526 (PCT/WO EP0004828)
Priority Application: EP 99110355 19990528

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **B65D-001/02**

International Patent Class: B65B-055/02

Publication Language: English

Filing Language: English

English Abstract

A package for a pharmaceutical product, particularly a liquid ophthalmic composition, such as an ophthalmic solution, gel or ointment, for example a tube or a dropper bottle assembly used to dispense said product, wherein said package is made of a specific form of polypropylene and wherein said package shows after an autoclaving processing of at least 121 degreesC and for at least 20 minutes no deformation such as shrinkage or blowing-up and retains a sufficient high squeezability in order to dispense said product. Also claimed is a method for sterilizing a pharmaceutical package comprising the steps: placing closed package into an autoclaving chamber, adjusting the temperature and the pressure in said chamber as a function of time in accordance to the prerequisites of the material of said package, wherein a counter pressure is generated in said chamber and wherein this is regulated electronically via computer, and wherein said counter pressure avoids a deformation such as a blowing-up of said package.

Legal Status (Type, Date, Text)

Publication 20001207 A1 With international search report.

Examination 20010104 Request for preliminary examination prior to end of 19th month from priority date

Detailed Description

... s fingers which causes the liquid therein to pass through a passageway.

For filling the **bottle** with a **pharmaceutical** product, particularly an ophthalmic liquid which has to fulfill the conditions concerning sterility, it is...

...to filtrate and to sterilize the solution or liquid which should be filled into the **bottles** by filtration or **autoclaving**. Also the **bottles**, the nozzle tips and the caps are sterilized, e.g. by ethylene oxide treatment, UV, gamma or electron beam irradiation. The filling of the **bottles** takes place in **aseptic room** conditions. However, after filling the **bottles**, inserting the nozzle tip into the neck portion and threading the cap onto the **bottle** no further sterilization will proceed. The filled and closed **bottles** are removed from the **aseptic** area. The **aseptic** area is normally a **room** which stands under slight excess **air** pressure and the entrance and the exit of the **room** are constructed as sluices.

A pharmaceutical product as used hereinbefore or hereinafter is understood to...layer). Said laminated material provides typically enhanced stability.

Further, it is advantageous to adjust the **autoclaving** processing to the PP- **bottles** to avoid damages as shrinkage or blowing-up. After filling the **bottles** with the **pharmaceutical** liquid or gel, particularly an ophthalmic liquid or gel, the closed **bottles** are introduced into an **autoclaving** chamber. In the context of the present application filling of the **bottles** denotes typically a normal filling, such that for example in the upper part of said **bottle** some **air** will remain. As the whole **bottles** will be sterilized it is not anymore necessary that the filling and closing of the **bottles** has to take place under **aseptic** conditions. As it is known in the prior art, such an **autoclaving** chamber works with steam. The temperature and the pressure run in the chamber as a...

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00281956 **Image available**

MEDICAL CONTAINER

RECIPIENT A USAGE MEDICAL

Patent Applicant/Assignee:

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MIYAKE Yoshihide,

Inventor(s):

UMEKITA Kouji,
MIYAKE Yoshihide,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9500101 A1 19950105

Application: WO 94JP935 19940609 (PCT/WO JP9400935)

Priority Application: JP 9340940 U 19930628 (JP U)

Designated States: CA CN FI JP NO US AT BE CH DE DK ES FR GB GR IE IT LU MC
NL PT SE

Main International Patent Class: **A61J-003/00**

International Patent Class: **A61J-03:314**

Publication Language: Japanese

English Abstract

This invention aims at providing a medical **container** capable of speedily making a **drug** vial and a solution **container** communicate with each other with a sealed system kept sealed, and therefore speedily carrying out an **aseptic drug** dissolving operation during an instillation treatment; not occupying a large storage **space**; and having a small number of parts and a small total length. To achieve this object, a novel medical **container** is formed which is provided with a solution **container**, a bottomed cylindrical case, a fixing jig having an opening at the bottom portion thereof and held in the case so that the jig can be axially moved, a **drug** vial held in the case so that the vial can be moved with the jig, a hollow double ended needle held movably in a sealed **space** formed on the case-bottom side of a mouth of the **drug** vial, **air** discharge grooves formed in an inner surface of the case or in an outer surface of the fixing jig, and a shield member adapted to maintain **air**-tight condition of the sealed **space** until the **drug** vial is forced into the case, and be slidably moved in the case without closing the **air** discharge grooves while the **drug** vial is forced into the case and moved toward the bottom portion of the same.

11/TI/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Flexible container and method of making same
Flexibler Behälter und Verfahren zu seiner Herstellung
Recipient flexible et procede pour la fabrication

11/TI/3 (Item 3 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

FATTY EMULSIONS CONTAINING REDUCING SUGAR AND METHOD FOR STERILIZING THE
SAME
REDUZIERENDEN ZUCKER ENTHALTENDE FETTIGE EMULSIONEN UND VERFAHREN ZU IHRER
STERILISIERUNG
EMULSIONS GRASSES CONTENANT UN SUCRE REDUCTEUR ET TECHNIQUE DE
STERILISATION DE CELLES-CI

11/TI/4 (Item 4 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

FLEXIBLE, MULTIPLE-COMPARTMENT DRUG CONTAINER AND METHOD OF MAKING
ARZNEIMITTEL-BEHÄLTER AUS BIEGSAMEM MATERIAL MIT MEHREREN FÄCHERN UND
VERFAHREN ZUR HERSTELLUNG
RECEPTACLE POUR MEDICAMENTS FLEXIBLE ET A PLUSIEURS COMPARTIMENTS, ET SON
PROCEDE DE FABRICATION

11/TI/5 (Item 5 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

MULTILAYERED MEDICAL FILM AND DOUBLE-COMPARTMENT CONTAINER
MEHRLAGIGE MEDIZINISCHE MEMBRAN SO WIE ZWEIFACHTEILIGER BEHÄLTER
FILM MEDICAL MULTICOUCHE ET RECIPIENT A DOUBLE COMPARTIMENT

11/TI/7 (Item 7 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

INTEGRAL RECONSTITUTION DEVICE
INTEGRALE REKONSTITUTIONSVORRICHTUNG
DISPOSITIF DE RECONSTITUTION D'UNE SEULE PIÈCE

11/TI/11 (Item 11 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

MATERIAL(S)/CONTENT(S) MANAGEMENT METHOD AND APPARATUS
PROCEDE ET DISPOSITIF DE GESTION DE MATERIAUX/CONTENUS

11/TI/12 (Item 12 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PULL CAP FOR A PORT
CAPUCHON-LANGUETTE DESTINE A L'ORIFICE D'UN ENSEMBLE D'ADMINISTRATION

11/TI/13 (Item 13 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PACKAGE FOR A PHARMACEUTICAL PRODUCT AND METHOD OF MANUFACTURING AND
STERILIZING THE PACKAGE
EMBALLAGE POUR PRODUIT PHARMACEUTIQUE ET PROCEDE DE FABRICATION ET DE
STERILISATION DE CELUI-CI

11/TI/14 (Item 14 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

AN ASSEMBLY FOR TWO PRODUCTS TO BE MIXED JUST PRIOR TO USE
ENSEMBLE DESTINE A DEUX PRODUITS A MELANGER JUSTE AVANT L'EMPLOI

11/TI/15 (Item 15 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

MULTIPLE-DOSE BOTTLE WITH DOSAGE NOZZLE FOR LIQUIDS, PARTICULARLY FOR
PHARMACEUTICAL PRODUCTS
FLACON MULTIDOSE AVEC GICLEUR DE DOSAGE POUR LIQUIDES ET NOTAMMENT POUR
PRODUITS PHARMACEUTIQUES

11/TI/17 (Item 17 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ARRANGEMENT, METHOD AND GAS CONTAINER FOR STERILE OR ASEPTIC HANDLING
AGENCEMENT, PROCEDE ET RECIPIENT A GAZ POUR MANIPULATION STERILE OU
ASEPTIQUE

11/TI/18 (Item 18 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

ASEPTIC TRANSFER

Set	Items	Description
S1	33766	AUTOCLAV? OR STERLIS? OR STERLIZ? OR ASEPTIC
S2	309497	BOTTLE? ? OR CONTAINER? ? OR PACKAG? OR RECEPTACL?
S3	206005	PHARMACEUT? OR DRUG? ? OR MEDICAMENT? ? OR MEDICIN? OR THE- RAP?(2N)AGENT? ?
S4	703490	AIR OR SPACE OR ROOM OR UNFILLED OR "NOT"(2W)FILLED OR PAR- T?(2N)FILL??
S5	704067	S4 OR (PARTIALLY OR PARTLY) (2N)FILL?
S6	6004	S1 AND S2 AND S3 AND S5
S7	217	S1(S)S3(S)S5
S8	75	S7(S)S2
S9	19	S8 AND IC=(A61J OR B65D)
S10	19	IDPAT (sorted in duplicate/non-duplicate order)
S11	19	IDPAT (primary/non-duplicate records only)

? show files

File 348:EUROPEAN PATENTS 1978-2003/Feb W01

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File 349:PCT FULLTEXT 1979-2002/UB=20030206,20030123

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FT Patents
(2 of 2)

8/5,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01364765

Flexible container and method of making same
Flexibler Behälter und Verfahren zu seiner Herstellung
Réceptient flexible et procede pour la fabrication

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1161932 A2 011212 (Basic)
EP 1161932 A3 020123

APPLICATION (CC, No, Date): EP 2001121999 970411;

PRIORITY (CC, No, Date): US 647583 960513

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 898466 (EP 97920344)

INTERNATIONAL PATENT CLASS: A61J-001/10 ; B29C-065/02; B65D-081/32 ;
B32B-027/08; C08L-023/16

ABSTRACT EP 1161932 A2

A flexible storage container (10) is described which comprises a flexible rear sheet (14), and flexible front sheet (12) sealed to the rear sheet along a common peripheral edge (16). A first peelable seal (24) extends between two sides of the common peripheral edge and separably joins the front and rear sheets to form a first compartment (18). A second peelable seal (26) extends between the two sides of the common peripheral edge and separately joins the front and rear sheets to form thereby an outlet compartment (22) and a second compartment (20), the second compartment is intermediate the outlet compartment and the first compartment. A clear high-barrier laminate film (24) is separately disposed upon and sealed to the front sheet and is sized to extend over the second compartment. An opaque high-barrier protective film (55) is peelably affixed to the clear-barrier laminate film, the opaque film is sized to extend over the high-barrier laminate film and the second

compartment.
ABSTRACT WORD COUNT: 161
NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 011212 A2 Published application without search report
Examination: 011212 A2 Date of request for examination: 20010913
Search Report: 020123 A3 Separate publication of the search report
Change: 020508 A2 Inventor information changed: 20020315
LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION to FIGS. 13 and 14, following powder fill, 0.2 micron filtered nitrogen gas or **air** is introduced into the **medicament** compartment's head **space** and the transport band 176 indexes the compartment to a heat seal station 184. Although both 0.2 micron filtered nitrogen gas or **air** are within the contemplation of the present invention, it will be understood that the choice between these two gasses, or other filter **sterilized** gasses (inert or otherwise) will depend upon the sensitivities of the particular **drugs** introduced into the **medicament** compartment. Specifically, if a **drug** is extremely sensitive to oxidation, the **medicament** compartment's head **space** will preferably be filled with filter **sterilized** nitrogen, or a similar inert gas. At the heat seal station 184 opposed heat seal heads are brought together to either side of the **container**, to thereby close-off the channel (112b of FIG. 8) between the sacrificial port and the **medicament** compartment. The heat seal, thus formed, effectively continues permanent seals between the oversized edge seals 110e and 110f depicted in FIG. 8, thus sealing the **medicament** compartment. .

Next the cap is reinserted into the medicament compartment sacrificial port and, the powder...

8/5,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00906339

FLEXIBLE, MULTIPLE-COMPARTMENT DRUG CONTAINER AND METHOD OF MAKING
ARZNEIMITTEL-BEHALTER AUS BIEGSAMEM MATERIAL MIT MEHREREN FACHERN UND
VERFAHREN ZUR HERSTELLUNG
RECEPTACLE POUR MEDICAMENTS FLEXIBLE ET A PLUSIEURS COMPARTIMENTS, ET SON
PROCEDE DE FABRICATION

PATENT ASSIGNEE:

B. BRAUN MEDICAL, INC., (1673641), 824 Twelfth Avenue, Bethlehem,
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WU, Nicholas, Chung-Hui, 10 Anzio, Irvine, CA 92714, (US)
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PATENT (CC, No, Kind, Date): EP 898466 A1 990303 (Basic)
EP 898466 B1 011212
WO 9742897 971120

APPLICATION (CC, No, Date): EP 97920344 970411; WO 97US6043 970411

PRIORITY (CC, No, Date): US 647583 960513

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 1161932 (EP 2001121999)

INTERNATIONAL PATENT CLASS: A61B-019/00; A61M-037/00; B32B-017/06;
B65D-025/08 ; A61J-001/00

CITED PATENTS (EP B): US 3545671 A; US 3554256 A; US 4010786 A; US 4402402
A; US 4417607 A; US 4519499 A; US 4608043 A; US 4702963 A; US 4805767 A;
US 5176634 A; US 5257985 A; US 5462526 A; US 5496302 A

CITED PATENTS (WO A): Y Y Y; Y Y Y; A A Y

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 000913 A1 Date of dispatch of the first examination
report: 20000726
Change: 20000329 A1 Legal representative(s) changed 20000210
Oppn None: 021204 B1 No opposition filed: 20020913
Change: 011107 A1 Application number of divisional application
(Article 76) changed: 20010919
Change: 010509 A1 Title of invention (French) changed: 20010321
Change: 010509 A1 Title of invention (English) changed: 20010321
Change: 010509 A1 Title of invention (German) changed: 20010321
Change: 010606 A1 Title of invention (German) changed: 20010419
Grant: 011212 B1 Granted patent
Application: 980304 A1 International application (Art. 158(1))
Change: 20000419 A1 International Patent Classification changed:
20000301
Change: 20000419 A1 International Patent Classification changed:
20000301
Search Report: 20000419 A1 Date of drawing up and dispatch of
supplementary:search report 20000306
Application: 990303 A1 Published application (A1with Search Report
;A2without Search Report)
Examination: 990303 A1 Date of filing of request for examination:
981119

LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION to FIGS. 13 and 14, following powder fill, 0.2 micron
filtered nitrogen gas or **air** is introduced into the **medicament**
compartment's head **space** and the transport band 176 indexes the compartment
to a heat seal station 184. Although both 0.2 micron filtered nitrogen gas or
air are within the contemplation of the present invention, it will be
understood that the choice between these two gasses, or other filter
sterilized gasses.(inert or otherwise) will depend upon the sensitivities of
the particular **drugs** introduced into the **medicament** compartment.
Specifically, if a **drug** is extremely sensitive to oxidation, the

medicament compartment's head **space** will preferably be filled with filter **sterilized** nitrogen, or a similar inert gas. At the heat seal station 184 opposed heat seal heads are brought together to either side of the **container**, to thereby close-off the channel (112b of FIG. 8) between the sacrificial port and the **medicament** compartment. The heat seal, thus formed, effectively continues permanent seals between the oversized edge seals 110e and 110f depicted in FIG. 8, thus sealing the **medicament** compartment.

Next the cap is reinserted into the medicament compartment sacrificial port and, the powder...

8/5,K/23 (Item 23 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00364243

Liquid purifying device

Reinigungsvorrichtung fur eine Flussigkeit

Dispositif pour purifier un liquide

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PATENT (CC, No, Kind, Date): EP 338844 A1 891025 (Basic)
EP 338844 B1 960619

APPLICATION (CC, No, Date): EP 89303969 890421;

PRIORITY (CC, No, Date): JP 8898924 880421; JP 8983003 890331

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: B67D-005/02; **B65D-083/14**

CITED PATENTS (EP A): US 4595121 A; US 4595121 A; FR 367324 A; GB 815610 A;
JP 62125804 A; WO 88019181 A; US 2681252 A

ABSTRACT EP 338844 A1

A device for dispensing a liquid (16), including a container (10) having an interior space (12) accommodating the liquid, a first valve (24, 76, 92, 96, 100, 136, 140, 156) attached to the container, a delivery path (36, 38, 40, 52, 54, 56) having one end submerged in the liquid and extending through the container such that the other end is outside the container, and a second valve (34) disposed in the delivery path for closing and opening the delivery path. The first valve permits a pressurized gas to flow therethrough into the container to raise the

pressure within the container, but inhibits a discharge flow of the pressurized gas and the liquid therethrough out of the interior space. The liquid is delivered out of the container through the delivery path, due to the raised pressure within the interior space. The device has a micro-porous membrane filter disposed in a portion of the delivery path which is located upstream of the second valve, as viewed in the direction of delivery of the liquid. The micro-porous membrane filter removes microorganisms from the liquid delivered from the delivery path.

ABSTRACT WORD COUNT: 191

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 891025 A1 Published application (A1with Search Report
;A2without Search Report)
Examination: 891025 A1 Date of filing of request for examination:
890429
Examination: 910417 A1 Date of despatch of first examination report:
910301
Grant: 960619 B1 Granted patent
Change: 970416 B1 Representative (change)
Oppn None: 970611 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION function of protecting the liquid 16 against contamination by microorganisms.

In an alternative method of **sterilization**, the **container** 10 charged with the liquid 16 and closed by a cap other than the cap 20 is autoclaved for **sterilization**, and the **sterilized** micro-porous hollow fiber module and the **sterilized** cap 20 are set on the **container**.

Then, the **container** is supplied with a sterile compressed **air**. This method is suitable where the liquid 16 is a **pharmaceutical** liquid for medical applications, which requires a particularly high degree of sterility.

Where the liquid 16 is a **pharmaceutical** liquid which cannot be **sterilized** by autoclaving, the **sterilized container** is charged with the sterilely prepared **pharmaceutical** liquid, and with a sterile compressed **air**. In this case, too, the purifying system is extremely sterile.

When the instant liquid purifying...

8/TI/1 (Item 1 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Closing structure of a dispensing container

Schliessstruktur fur ein Ausgabebehalter

Structure de fermeture pour un recipient distributeur

8/TI/2 (Item 2 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Infusion container

Infusionsbehalter

Carpule d'infusion

8/TI/4 (Item 4 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Medical container with multiple chambers and method of producing the same

Medizinischer Mehrkammerbehalter und Verfahren zu seiner Herstellung

Recipient medical a plusieurs compartiments et procede de fabrication

8/TI/5 (Item 5 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

CAP FOR CONTAINER AND ADAPTOR FOR LIQUID COMMUNICATION

VERSCHLUSSKAPPE FUR BEHALTER SOWIE FLUSSIGKEITSUBERTRAGUNGSVORRICHTUNG

COUVERCLE POUR RECIPIENT ET ADAPTATEUR POUR COMMUNICATION LIQUIDE

8/TI/6 (Item 6 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Multiple use universal stopper

Universeller Mehrzweckstopfen

Bouchon universel a utilisations multiples

8/TI/7 (Item 7 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Container for therapeutic use

Behalter fur therapeutische Verwendung

Conteneur pour usage therapeutique

8/TI/8 (Item 8 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

FATTY EMULSIONS CONTAINING REDUCING SUGAR AND METHOD FOR STERILIZING THE SAME

REDUZIERENDEN ZUCKER ENTHALTENDE FETTIGE EMULSIONEN UND VERFAHREN ZU IHRER STERILISIERUNG

EMULSIONS GRASSES CONTENANT UN SUCRE REDUCTEUR ET TECHNIQUE DE STERILISATION DE CELLES-CI

8/TI/9 (Item 9 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Closure for vial container
Verschluss für Flaschchen
Fermeture pour flacons

8/TI/11 (Item 11 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

A plastic cap and a process for the production of the same
Kunststoffkappe und Verfahren zu ihrer Herstellung
Capuchon en plastique et son procede de fabrication

8/TI/12 (Item 12 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

CROWN-SHAPED LID OF DRUG CONTAINER
KRONENFORMIGER DECKEL EINES ARZNEIMITTELBEHALTERS
COUVERCLE DE RECIPIENT POUR MEDICAMENTS EN FORME DE COURONNE

8/TI/13 (Item 13 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

A plastic cap and a process for the production of the same
Kunststoffkappe und Verfahren zu ihrer Herstellung
Capuchon en plastique et son procede de fabrication

8/TI/14 (Item 14 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

VENTED VIAL FOR FREEZE-DRYING AND METHOD OF MINIMIZING CONTAMINATION OF
FREEZE-DRIED PRODUCTS
VENTILIERTER GLASFLASCHE ZUR GEFRIERTROCKNUNG UND VERFAHREN ZUR VERMINDERUNG
DER KONTAMINATION VON GEFRIERGETROCKNETEN PRODUKTEN
FLACON A EVENT POUR LYOPHILISATION ET PROCEDE PERMETTANT DE MINIMISER LA
CONTAMINATION DE PRODUITS LYOPHILISES

8/TI/15 (Item 15 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

LIQUID DISPENSER FOR STERILE SOLUTIONS
FLUSSIGKEITSDISPENSOR ZUR ABGABE VON STERILER FLUSSIGKEIT
DISTRIBUTEUR DE LIQUIDE DESTINE A DES SOLUTIONS STERILES

8/TI/16 (Item 16 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

MULTILAYERED MEDICAL FILM AND DOUBLE-COMPARTMENT CONTAINER
MEHRLAGIGE MEDIZINISCHE MEMBRAN SO WIE ZWEIFACHGETEILTER BEHALTER
FILM MEDICAL MULTICOUCHE ET RECIPIENT A DOUBLE COMPARTIMENT

8/TI/17 (Item 17 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Sterilizable hermetically-sealed substantial glass container and method for producing the container.

Sterilisierbarer hermetisch verschlossener Behälter und Verfahren zu seiner Herstellung.

Recipient de verre sterilisable hermetiquement ferme et methode pour sa fabrication.

8/TI/18 (Item 18 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

FLEXIBLE MULTIPLE COMPARTMENT DRUG CONTAINER
FLEXIBLER, MEHRERE ABTEILUNGEN AUFWEISENDER BEHALTER FÜR MEDIKAMENTE
RECIPIENT SOUPLE POUR MÉDICAMENTS À COMPARTIMENTS MULTIPLES

8/TI/19 (Item 19 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Tier sheets and method for producing the same.
Stapelfolien und Verfahren zu ihrer Herstellung.
Feuilles pour empiler et procede pour les fabriquer.

8/TI/20 (Item 20 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Method of and apparatus for administering medicament to a patient.
Methode und Gerät, einem Patienten ein Medikament zu verabreichen.
Methode et appareil pour administrer un medicament a un malade.

8/TI/21 (Item 21 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Retortable closure for plastic container.
Sterilisierbarer Verschluss für Kunststoffbehälter.
Fermeture pasteurisable pour recipient en matiere plastique.

8/TI/22 (Item 22 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Food product packaging.
Verpackung eines Nahrungsmittels.
Emballage d'un produit alimentaire.

8/TI/24 (Item 24 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Method of packaging and sterilizing a pharmaceutical product and the corresponding package.

Verfahren zum Verpacken und Sterilisieren eines pharmazeutischen Produktes und die entsprechende Verpackung.

Procede pour emballer et steriliser un produit pharmaceutique et emballage

correspondant.

8/TI/25 (Item 25 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Apparatus for contacting material such as a drug with a fluid.
Vorrichtung zum Zusammenbringen von Stoffen, wie Arzneimitteln, mit einer
Flussigkeit.
Dispositif pour reunir des materiaux comme des medicaments avec un liquide.

8/TI/26 (Item 26 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Container and closure construction.
Behälter und Verschlussvorrichtung.
Recipient et construction de fermeture.

8/TI/27 (Item 27 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

MULTI-DOSE CONTAINER SYSTEM
SYSTEME DE RECIPIENT MULTIDOSE

8/TI/28 (Item 28 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

CONTAINERS AND PEELABLE SEAL CONTAINERS OF NON-PVC MATERIAL

Set	Items	Description
S1	52116	STERILIS? OR STERILIZ?
S2	309497	BOTTLE? ? OR CONTAINER? ? OR PACKAG? OR RECEPTACL?
S3	206005	PHARMACEUT? OR DRUG? ? OR MEDICAMENT? ? OR MEDICIN? OR THE- RAP?(2N)AGENT? ?
S4	703490	AIR OR SPACE OR ROOM OR UNFILLED OR "NOT"(2W)FILLED OR PAR- T?(2N)FILL??
S5	194	S1(S)S2(S)S3(S)S4
S6	45	S5 AND IC=(A61J OR B65D)
S7	45	IDPAT (sorted in duplicate/non-duplicate order)
S8	41	IDPAT (primary/non-duplicate records only)

? show files

File 348:EUROPEAN PATENTS 1978-2003/Feb W01

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030206,20030123

(c) 2003 WIPO/Univentio

B. 6/10
NPL
(1 of 3)

1/5/1

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

*

06177596 89264957 PMID: 2726985

Sterilization of non-air evacuated infusion flasks containing little water]

Sterilisation von nicht-Luft-evakuierten, nur wenig Wasser enthaltenden Infusionsflaschen.

Kownacki E; Flury F

Pharmaceutica acta Helvetiae (SWITZERLAND) 1989, 64 (3) p68-70,
ISSN 0031-6865 Journal Code: 0401134

Document type: Journal Article ; English Abstract

Languages: GERMAN

Main Citation Owner: NLM

Record type: Completed

Subfile: INDEX MEDICUS

Studies have been carried out in connection with the sterilization of glass infusion bottles from which air had not been evacuated and containing certain limited quantities of water. Bottles with a capacity of 500 and 1000 cm³ were filled with 1-3 cm³ distilled water and sterilized in an autoclave for 20 min. set at a temperature of 121 degrees C reaching up to 126 degrees C. The sterility was tested by introducing bags containing *Bacillus stearothermophilus* spores into the centre of the bottles. Following sterilization the bottles were examined for the growth of spores allowing an incubation period of 7 days at 37 degrees C. Based on the actual conditions of this investigation, it would appear that a bottle from which air has not been evacuated should contain at least 2% (V/V) distilled water, when sterilized in an autoclave. It is, however, strongly recommended that the present findings should be validated based on actual conditions prevailing for individual sterilization procedures.

Descriptors: *Sterilization; Drug Packaging; Infusions, Intravenous; Temperature; Water

CAS Registry No.: 7732-18-5 (Water)

Record Date Created: 19890710

8/TI/1 (Item 1 from file: 5)
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

Combined effects of packaging atmosphere and lactic acid on growth and survival of *Listeria monocytogenes* in crayfish tail meat at 4 degrees C.

8/TI/2 (Item 2 from file: 5)
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

Postoperative infections traced to contamination of an intravenous anesthetic, propofol.

8/TI/3 (Item 3 from file: 5)
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

COMPARATIVE EXAMINATION BETWEEN MEMBRANE FILTERS OF GELATIN AND CELLULOSE ESTERS AS REGARDS THEIR SUITABILITY FOR THE DETERMINATION OF THE COUNT OF MICROORGANISMS IN THE AIR

8/TI/4 (Item 4 from file: 5)
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

A MULTICENTERED INVESTIGATION OF CLEAR AIR REQUIREMENTS FOR TERMINALLY STERILIZED PHARMACEUTICALS

8/TI/5 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

Microbially Mediated Reductive Dechlorination of Dichlorobenzene
(Final rept. May 1997-Aug 1999)

8/TI/6 (Item 2 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

Cultivation of Tomato Tissues Capable of Forming Flowers and Fruits in Vitro
(Final Report)

8/TI/7 (Item 3 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

Autoclave Design and Performance. (Latest citations from the Life Sciences Collection Database)
(Published Search)

8/TI/8 (Item 4 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

Microscopic and Thermal Characterization of Hydrogen Peroxide Killing and Lysis of Spores and Protection by Transition Metal Ions, Chelators, and Antioxidants

8/TI/9 (Item 5 from file: 6)
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Autoclave Design and Performance. January 1978-November 1988 (Citations from the Life Sciences Collection Database)
(Rept. for Jan 78-Nov 88)

8/TI/10 (Item 6 from file: 6)
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Industrial Hygiene Walk-Through Survey Report of Tetra Pak, Inc., Denton, Texas

8/TI/11 (Item 7 from file: 6)
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Autoclave Design and Performance. 1978-April 1986 (Citations from the Life Sciences Collection Database)
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8/TI/12 (Item 8 from file: 6)
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Autoclave Design and Performance. 1978-February, 1982 (Citations from the Information Retrieval, Ltd. Data Base)
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8/TI/13 (Item 1 from file: 35)
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BARIUM-SULFATE IN PARENTERAL SOLUTIONS: IDENTIFICATION, SOURCES, QUANTITATION AND PREVENTION

8/TI/14 (Item 1 from file: 73)
DIALOG(R)File 73:(c) 2003 Elsevier Science B.V. All rts. reserv.

PDA comments: PIC draft recommendations on the inspection of isolator technology

8/TI/15 (Item 2 from file: 73)
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Preparation and stability of a 8-methoxy-psoralen solution used in extracorporeal photochemiotherapy treatment of allograft rejections and chronic graft-versus-host disease following bone marrow transplantation

FABRICATION ET ETUDE DE LA STABILITE D'UNE SOLUTION DE 8-METHOXY-
PSORALENE DESTINEE AU TRAITEMENT PAR PHOTOCHIMIOThERAPIE EXTRACORPORELLE DE
MALADIES DU GREFFON CONTRE L'HOTE CHRONIQUES POSTGREFFE DE MOELLE

8/TI/16 (Item 3 from file: 73)
DIALOG(R)File 73:(c) 2003 Elsevier Science B.V. All rts. reserv.

Statistical analysis of environmental monitoring data: Does a worst case
time for monitoring clean rooms exist?

8/TI/17 (Item 4 from file: 73)
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Test for sterility according to the regulations of the European
pharmacopoeia/supplement 1998
PRUFUNG AUF STERILITAT NACH DEN VORSCHRIFTEN DES EUROPAISCHEN
ARZNEIBUCHS/NACHTRAG 1998

8/TI/18 (Item 5 from file: 73)
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Modeling of parenteral container headspace pressure

8/TI/19 (Item 6 from file: 73)
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Cleaning and disinfection of equipment for gastrointestinal endoscopy.
Report of a working party of the British society of gastroenterology
endoscopy committee

8/TI/20 (Item 7 from file: 73)
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Inactivation of the 22A strain of scrapie agent by autoclaving in
sodium hydroxide

8/TI/21 (Item 8 from file: 73)
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Environmental microbial challenges to an aseptic Blow-Fill-Seal process
- A practical study

8/TI/22 (Item 9 from file: 73)
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Influence of background air on microbial contamination during simulated
i.v.-admixture preparation

8/TI/23 (Item 10 from file: 73)
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Multiple doses of contrast medium from a single container :

Bacteriological studies

8/TI/24 (Item 11 from file: 73)
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Chemical stability of two sterile, parenteral formulations of cyclophosphamide (Endoxan(R)) after reconstitution and dilution in commonly used infusion fluids

8/TI/25 (Item 12 from file: 73)
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Aseptic technique in microgravity

8/TI/26 (Item 13 from file: 73)
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Stability of nutritional mixtures containing lipids
LA STABILITA CHIMICO-FISICA DELLE MISCELE NUTRIZIONALI COMPLETE DI LIPIDI

8/TI/27 (Item 14 from file: 73)
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Optimization of moist heat sterilization of glucose infusions. The effect of different Finf 0-values on the pH and 5-hydroxymethyl 2-furaldehyde content of the solutions

8/TI/28 (Item 15 from file: 73)
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Control of the aseptic processing environment

8/TI/29 (Item 16 from file: 73)
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Problems of hygiene with life-saving equipment
HYGIENEPROBLEME BEI RETTUNGSMITTELN

8/TI/30 (Item 1 from file: 94)
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Food manufacture and processing technique in the next generation. Aseptic filling machine which does not require special installation environment.

8/TI/31 (Item 2 from file: 94)
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Preparing a Diluted Aseptic Solution of Benzalkonium Chloride Using Commercially Available Plastic Bottles of Sterile Distilled Water for

Injectons.

8/TI/32 (Item 3 from file: 94)
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Mineral water. Production environment of mineral water factory.

8/TI/33 (Item 4 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.
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Packaging of food and medicines in aseptic environment.

8/TI/34 (Item 5 from file: 94)
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Pharmaceutical business at a hospital pharmacy.3.Selection of
machinery.(2).

8/TI/35 (Item 6 from file: 94)
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Special issue : Actual practice of sterilization and disinfection at a
dental office. Instrumental sterilization and method of disinfection in
a consultation room .

8/TI/36 (Item 7 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.
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Plastic Bag Developed to Sterilize Liquid Preparations for External Use by
an Autoclave .

8/TI/37 (Item 8 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.
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Preparation and Stability of Azathioprine Injection.

8/TI/38 (Item 9 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.
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Specific examples of aseptic packaging system in the Japanese sake
market.

8/TI/39 (Item 1 from file: 144)
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

Blow- fill -seal technology : Part II, Design optimization of a particulate control system

8/TI/40 (Item 2 from file: 144)
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

Debating the case for sterile filling

8/TI/41 (Item 3 from file: 144)
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

Blow- fill -seal technology : Part I, a design for particulate control

8/TI/42 (Item 4 from file: 144)
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

Mikrobiologische Umgebungskontrollen : Anforderungen der Neufassung der 1. Ergaenzenden Leitlinie zur Herstellung steriler Arzneimittel und deren Umsetzung

(Microbiological environmental controls : The requirements of the new version of the 1. supplementary guide for the production of sterile pharmaceuticals and their realisation)

8/TI/43 (Item 5 from file: 144)
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Meeting the need for sterile packs

8/TI/44 (Item 6 from file: 144)
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Abfuellung pharmazeutischen Aerosolprodukte unter besonderer Beruecksichtigung der Reinraumtechnik

(Conditionnement de produits aerosol pharmaceutiques dans des conditions de sterilisation)

(Packaging of pharmaceutical aerosols drugs in sterilization conditions)

8/TI/45 (Item 7 from file: 144)
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

Installations pour repartition aseptique de poudres steriles en flacons
(Installations for aseptic transfer of sterile powders in bottles)

8/TI/46 (Item 8 from file: 144)
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

Repartition aseptique sous isoloateur de poches pour alimentation parenterale

(Aseptic transfer under isolator of bags for parenteral supply)

8/TI/47 (Item 1 from file: 155)

DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Combined effects of packaging atmosphere and lactic acid on growth and survival of *Listeria monocytogenes* in crayfish tail meat 4 degrees C.

8/TI/48 (Item 2 from file: 155)

DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Study on drawing aseptic gas in diluting drugs]

8/TI/49 (Item 3 from file: 155)

DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Control of ammonia formation during *Bacillus subtilis* fermentation of legumes.

8/TI/50 (Item 4 from file: 155)

DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Chemical stability of two sterile, parenteral formulations of cyclophosphamide (Endoxan) after reconstitution and dilution in commonly used infusion fluids.

8/TI/51 (Item 5 from file: 155)

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Sterilization of non- air evacuated infusion flasks containing little water]

Sterilisation von nicht-Luft-evakuierten, nur wenig Wasser enthaltenden Infusionsflaschen.

8/TI/52 (Item 6 from file: 155)

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Pharmaceutical services in a United States Army field hospital.

8/TI/53 (Item 7 from file: 155)

DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Comparative studies of gelatin and cellulose ester membrane filters for their suitability in determining the microorganism count in the air]

Vergleichende Untersuchungen zwischen Membranfiltern aus Gelatine und Celluloseestern auf ihre Eignung zur Bestimmung der Luftkeimzahl.

8/TI/54 (Item 8 from file: 155)

DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Pressure changes in bottles during sterilization by autoclaving .

8/TI/55 (Item 9 from file: 155)

DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Panel discussion: Environmental sampling in an aseptic environment.
III. Cross contamination control.

8/TI/56 (Item 10 from file: 155)
DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Panel discussion: Environmental sampling in an aseptic environment. II.
Particulate contamination control.

8/TI/57 (Item 11 from file: 155)
DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Panel discussion: environmental sampling in an aseptic environment. I.
Microbiological environmental monitoring.

8/TI/58 (Item 12 from file: 155)
DIALOG(R)File 155:(c) format only 2003 The Dialog Corp. All rts. reserv.

Use and abuse of intravenous solutions.

Set	Items	Description
S1	61793	AUTOCLAV? OR STERLIS? OR STERLIZ? OR ASEPTIC
S2	633640	BOTTLE? ? OR CONTAINER? ? OR PACKAG? OR RECEPTACL?
S3	12987124	PHARMACEUT? OR DRUG? ? OR MEDICAMENT? ? OR MEDICIN? OR THE- RAP?(2N)AGENT? ?
S4	4001262	AIR OR SPACE OR ROOM OR UNFILLED OR "NOT"(2W)FILLED OR PAR- T?(2N)FILL??
S5	89	S1 AND S2 AND S3 AND S4
S6	68	RD (unique items)
S7	61	S6 NOT PY>1999
S8	61	S7 NOT PD>19990528

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8/TI/1 (Item 1 from file: 2)
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Title: Instrumentation for drug processing

8/TI/2 (Item 1 from file: 5)
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

Near-infrared (NIR) monitoring of H-2O-2 vapor concentration during vapor
hydrogen peroxide (VHP) sterilisation.

8/TI/3 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts.
reserv.

Autoclave Design and Performance. (Latest citations from the Life
Sciences Collection Database)
(Published Search)

8/TI/4 (Item 2 from file: 6)
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Autoclave Design and Performance. January 1978-November 1988 (Citations
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(Rept. for Jan 78-Nov 88)

8/TI/5 (Item 3 from file: 6)
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Autoclave Design and Performance. 1978-April 1986 (Citations from the
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(Rept. for 1978-Apr 86)

8/TI/6 (Item 4 from file: 6)
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Autoclave Design and Performance. 1978-February, 1982 (Citations from the
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8/TI/7 (Item 1 from file: 8)
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Title: Prediction of overpressure required for seal integrity during
sterilization of semi-rigid food and drug packages.

8/TI/8 (Item 2 from file: 8)
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Title: Sterile molding technology looks for expanded uses.

8/TI/9 (Item 1 from file: 73)
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Near-Infrared (NIR) monitoring of H₂O vapor concentration during
vapor hydrogen peroxide (VHP) sterilisation

8/TI/10 (Item 2 from file: 73)
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A new economical process for low particle, in-line sterilization of glass
containers

8/TI/11 (Item 1 from file: 144)
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Near-infrared (NIR) monitoring of H₂O vapor concentration
during vapor hydrogen peroxide (VHP) sterilisation

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Near-infrared (NIR) monitoring of H₂O₂ vapor concentration during vapor
hydrogen peroxide (VHP) sterilisation.

Set	Items	Description
S1	111490	STERILIS? OR STERILIZ?
S2	633640	BOTTLE? ? OR CONTAINER? ? OR PACKAG? OR RECEPTACL?
S3	12987124	PHARMACEUT? OR DRUG? ? OR MEDICAMENT? ? OR MEDICIN? OR THE- RAP?(2N)AGENT? ?
S4	4001262	AIR OR SPACE OR ROOM OR UNFILLED OR "NOT"(2W) FILLED OR PAR- T?(2N)FILL??
S5	23	S1(S)S2(S)S3(S)S4
S6	18	RD (unique items)
S7	13	S6 NOT PY>1999
S8	13	S7 NOT PD>19990528

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10/TI/1 (Item 1 from file: 248)
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Title: Pet Power targets the pharmaceutical market

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Title: Dangerous times call for sterile packaging

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Title: New HEPA/ULPA filters for clean-room technology

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Title: A CASE HISTORY REPORT ON THE DESIGN INSTALLATION AND OPERATION OF A
STATE-OF-THE-ART PACKAGING LINE

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Title: HIGH INTENSITY LIGHT AND PULSED ELECTRIC FIELDS FOR STERILIZATION
AND PASTEURIZATION OF PRODUCTS AND PACKAGES

10/TI/10 (Item 10 from file: 248)
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Title: ASEPTIC ADVANCES ENSURE CLEAN CONDITIONS FOR PHARMACEUTICALS

10/TI/11 (Item 11 from file: 248)
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Title: REPORT - EUROPEAN CONFERENCE ON PHARMACEUTICALS AND MEDICAL
PACKAGING

10/TI/12 (Item 12 from file: 248)
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Title: OPENING THE PACKAGE AND USING THE PRODUCT: THE END USER'S
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10/TI/14 (Item 14 from file: 248)
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10/TI/15 (Item 15 from file: 248)
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10/TI/17 (Item 17 from file: 248)
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Title: STERILE BEVERAGE FILLING

10/TI/18 (Item 18 from file: 248)
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Title: PREDICTION OF OVERPRESSURE REQUIRED FOR SEAL INTEGRITY DURING
STERILIZATION OF SEMI-RIGID FOOD AND DRUG PACKAGES

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Title: ASEPTIC SYSTEM IS ON THE WHITE SIDE

10/TI/20 (Item 20 from file: 248)
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Title: THE USE OF COMPRESSED AIR IN PHARMACEUTICALS PACKAGING

10/TI/21 (Item 21 from file: 248)
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Title: FORMING - FILLING - CLOSING

10/TI/22 (Item 22 from file: 248)
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Title: BLOW-FILL-SEAL ROUTE TO HIGH STERILITY

10/TI/23 (Item 23 from file: 248)
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Title: PARENTERAL GUIDANCE

10/TI/24 (Item 24 from file: 248)
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Title: PLASTIC BOTTLES FOR EXTRUSION BLOWING WITH INTERNAL STERILITY

10/TI/25 (Item 25 from file: 248)
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Title: VALIDATION OF A NEW FORM-FILL-SEAL INSTALLATION

10/TI/26 (Item 26 from file: 248)
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Title: LINED FLEXI-TANK

10/TI/27 (Item 27 from file: 248)
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Title: SCANSTAR COMPETITION: THIRTEEN WINNERS

10/TI/29 (Item 29 from file: 248)
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Title: GERM-FREE PRODUCTION OF FACTORY-MADE GLASS FOR THE PHARMACEUTICAL INDUSTRY

10/TI/30 (Item 30 from file: 248)
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Title: MEDICAL PACKAGES FINE TUNE MATERIALS, MACHINES

10/TI/31 (Item 31 from file: 248)
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Title: FILLING TECHNOLOGY

10/TI/32 (Item 32 from file: 248)
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Title: PROGRESS IN PRODUCTION AND PACKAGING IS TO THE CUSTOMER'S
ADVANTAGE

10/TI/33 (Item 33 from file: 248)
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Title: ASEPTIC PROCESSING OF PHARMACEUTICAL PRODUCTS - REGULATORY
CONSIDERATIONS

10/TI/34 (Item 34 from file: 248)
DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.

Title: HYGIENIC PACKAGING OF DAIRY PRODUCTS

10/TI/35 (Item 35 from file: 248)
DIALOG(R)File 248:(c) 2003 Pira International. All rts. reserv.

Title: IN THE ORIGINAL PACKAGING

10/TI/36 (Item 1 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(Secure and profitable. Isolator technique for aseptic filling of liquid
medication containers.)

Sicher und rentabel. Isolator-technik fuer die aseptische Abfuellung
fluessiger Arzneimittelformen.

10/TI/37 (Item 2 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(The highest stage of clean room technology. Insulator technique.)
Die hoechste Stufe der Reinraumtechnik. Isolator-technik.

10/TI/38 (Item 3 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

Fit bottle blowing to sterile line.
(Blasformung von Flaschen vor die aseptische Verpackungslinie

eingebunden.)

10/TI/39 (Item 4 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

Aseptic low acids find f/f/s.
(Form-, Fuell- und Verschliessmaschinen fuer aseptisch verpackte Lebensmittel mit niedrigem pH-Wert.)

10/TI/40 (Item 5 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(Health in cardboard. (Drugs.))
Gesundheit im Karton. (Arzneimittel.)

10/TI/41 (Item 6 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(Without monitoring it doesn't work.)
Ohne UEberwachung geht es nicht.

10/TI/42 (Item 7 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(When big values are at stake. Multilayers films and other special products from Teno. Tenova Division.)
Wenn grosse Werte auf dem Spiel stehen. Mehrschichtfolien und andere Spezialprodukte von Teno. Division Tenova.

10/TI/43 (Item 8 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

Process and apparatus for the aseptic packaging of products such as foodstuffs and pharmaceutical products.
(Verfahren und Einrichtung fuer das aseptische Verpacken von Produkten wie Lebensmitteln oder Arzneimitteln.)

10/TI/44 (Item 9 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(New developments in the packaging technique for pharmaceutical products.)
(Neue Entwicklungen in der Verpackungstechnik fuer pharmazeutische Produkte.)

10/TI/45 (Item 10 from file: 252)
DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(The first clean room to packaging production in Brazil.)
(Der erste Reinraum fuer die Verpackungsproduktion in Brasilien.)

10/TI/46 (Item 11 from file: 252)

DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(Bosch/Strunck project. (Hot-air sterilisation of glass containers).)
Projekt Bosch/Strunck (Heissluftsterilisation von Glasbehältnissen).

10/TI/47 (Item 12 from file: 252)

DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(Serac project. (Sterile filling of glass containers).)
Projekt Serac (Keimarmes Füllen von Glasbehältnissen).

10/TI/48 (Item 13 from file: 252)

DIALOG(R)File 252:(c) 1997 by Fraunhofer-ILV, Germany. All rts. reserv.

(Mechanical packaging of sterilized goods in large hospitals.)
Die maschinelle Sterilisierungutverpackung in Grosskrankenhäusern.

10/TI/49 (Item 1 from file: 323)

DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

TITLE: ESCO SILICONE RUBBER TUBING AND MOULDING SPECIALISTS

10/TI/50 (Item 2 from file: 323)

DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

TITLE: ALTERNATIVE FATTY FOOD SIMULANTS FOR POLYMER MIGRATION TESTING:
EXPERIMENTAL CONFIRMATION

10/TI/51 (Item 3 from file: 323)

DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

TITLE: BLOW-FILL-SEAL

10/TI/52 (Item 4 from file: 323)

DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

TITLE: DEVELOPMENTS IN THE PACKAGING TECHNOLOGY FOR PHARMACEUTICAL
PRODUCTS

Set	Items	Description
S1	12118	AUTOCLAV? OR STERILIS? OR STERILIZ? OR ASEPTIC
S2	211136	BOTTLE? ? OR CONTAINER? ? OR PACKAG? OR RECEPTACL?
S3	21288	PHARMACEUT? OR DRUG? ? OR MEDICAMENT? ? OR MEDICIN? OR THE- RAP?(2N)AGENT?.
S4	78830	AIR OR SPACE OR ROOM OR UNFILLED OR "NOT"(2W)FILLED OR PAR- T?(2N)FILL??
S5	169	S1 AND S2 AND S3 AND S4
S6	65	S1(S)S3(S)S4
S7	60	S6 AND S2
S8	56	RD (unique items)
S9	52	S8 NOT PY>1999
S10	52	S9 NOT PD>19990528

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File 248:PIRA 1975-2003/Feb W2

(c) 2003 Pira International

File 252:Packaging Sci&Tech 1982-1997/Oct

(c) 1997 by Fraunhofer-ILV, Germany

File 323:RAPRA Rubber & Plastics 1972-2003/Feb

(c) 2003 RAPRA Technology Ltd

FT NPL

10/TI/1 (Item 1 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Persistence of Group A B-Hemolytic Streptococci in Toothbrushes and Removable Orthodontic Appliances Following Treatment of Pharyngotonsillitis (ARTICLE)

10/TI/2 (Item 2 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Disinfection of Eyelid Speculums for Retinopathy of Prematurity Examination (ARTICLE)

10/TI/3 (Item 3 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Correction of Deficiencies in Flexible Fiberoptic Sigmoidoscope Cleaning and Disinfection Technique in Family Practice and Internal Medicine Offices (ARTICLE)

10/TI/4 (Item 4 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Bacteria in Blood for Transfusion A Review (ARTICLE)

10/TI/5 (Item 5 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Recovery, Resterilization, and Donation of Unused Surgical Supplies (ARTICLE)

10/TI/6 (Item 6 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Pseudopolycythemia, Pseudothrombocytopenia, and Pseudoleukopenia due to Overfilling of Blood Collection Vacuum Tubes (Article)

10/TI/7 (Item 7 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

A quantitative, qualitative, and critical assessment of surgical waste: surgeons venture through the trash can.

10/TI/8 (Item 8 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Mandibular Reconstruction With a Recombinant Bone-Inducing Factor: Functional, Histologic, and Biomechanical Evaluation (Article)

10/TI/9 (Item 9 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Barrier Efficiency of Surgical Gowns: Are We Really Protected From Our Patients' Pathogens? (Article)

10/TI/10 (Item 10 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Rhodamine 123 as a Chemosensitizing Agent for Argon Laser Therapy; A New Technique for Treatment of Superficial Malignancies (PAPERS READ BEFORE THE AMERICAN SOCIETY FOR HEAD AND NECK SURGERY)

10/TI/11 (Item 11 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

Afebrile Bacteremia; A Phenomenon in Geriatric Patients (ORIGINAL CONTRIBUTIONS)

10/TI/12 (Item 1 from file: 444)
DIALOG(R)File 444:(c) 2003 Mass. Med. Soc. All rts. reserv.

Brief Report: Treatment of a Laboratory-Acquired Sabia Virus Infection (Original Articles)

10/TI/13 (Item 1 from file: 95)
DIALOG(R)File 95:(c) 2003 FIZ TECHNIK. All rts. reserv.

Blow-Fill-Seal Technology. A seminar of APV, Stuttgart, D, June 24-25, 1997

10/TI/14 (Item 1 from file: 98)
DIALOG(R)File 98:(c) 2003 The HW Wilson Co. All rts. reserv.

Air evacuation under high-level biosafety containment: the aeromedical isolation team.

10/TI/15 (Item 1 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Musculoskeletal transplant. (Orthopaedic Issues in Critical Care)

10/TI/16 (Item 2 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

NATURAL GROWTH: A HEALTHY NUMBER AND VARIETY OF NATURAL-FOOD STORES ARE BLOOMING IN SOUTHERN CALIFORNIA.

10/TI/17 (Item 3 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Combining breastfeeding and employment: increasing success. (Breastfeeding)

10/TI/18 (Item 4 from file: 149)

DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Recommended practices for selection and use of packaging systems.(for surgical items being sterilized)

10/TI/19 (Item 5 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Persistence of respiratory syncytial virus genome and protein after acute bronchiolitis in guinea pigs.

10/TI/20 (Item 6 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

All you want to know about fruit juice.

10/TI/21 (Item 7 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Medical fabrics for operating rooms: a challenge for nonwovens. (excerpt from paper presented at INDEX '93)

10/TI/22 (Item 8 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Ingestion of carcinogenic N-nitrosamines by infants and children.

10/TI/23 (Item 9 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Intraarticular reaction associated with the use of freeze-dried, ethylene oxide-sterilized bone-patella tendon-bone allografts in the reconstruction of the anterior cruciate ligament. (with related Discussion)

10/TI/24 (Item 10 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Future stuff: anticavity pills, edible pet spoons, and other. (forthcoming inventions to make parents' lives easier and better)

10/TI/25 (Item 11 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

The people's remedy: health care in El Salvador's war of liberation. (narrative of health care worker in guerrilla-held Chalatenango, El Salvador)

10/TI/26 (Item 12 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Chlorofluorocarbons and the incredible shrinking ozone.

10/TI/27 (Item 13 from file: 149)
DIALOG(R)File 149:(c) 2003 The Gale Group. All rts. reserv.

Trail blazing. (World Health Organization, family planning)

10/TI/28 (Item 1 from file: 370)
DIALOG(R)File 370:(c) 1999 AAAS. All rts. reserv.

Global Climate and Infectious Disease: The Cholera Paradigm.sup()

Set	Items	Description
S1	12033	AUTOCLAV? OR STERILIS? OR STERILIZ? OR ASEPTIC
S2	80801	BOTTLE? ? OR CONTAINER? ? OR PACKAG? OR RECEPTACL?
S3	510615	PHARMACEUT? OR DRUG? ? OR MEDICAMENT? ? OR MEDICIN? OR THE- RAP?(2N)AGENT? ?
S4	266980	AIR OR SPACE OR ROOM OR UNFILLED OR "NOT"(2W)FILLED OR PAR- T?(2N)FILL??
S5	580	S1 AND S2 AND S3 AND S4
S6	102	S2(S)S4(S)S1
S7	39	S6 AND S3
S8	38	RD (unique items)
S9	29	S8 NOT PY>1999
S10	28	S9 NOT PD>19990528

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File 441:ESPICOM Pharm&Med DEVICE NEWS 2003/Feb W2

(c) 2003 ESPICOM Bus.Intell.

File 442:AMA Journals 1982-2003/Apr B2

(c)2003 Amer Med Assn -FARS/DARS apply

File 444:New England Journal of Med. 1985-2003/Feb W2

(c) 2003 Mass. Med. Soc.

File 95:TEME-Technology & Management 1989-2003/Jan W4

(c) 2003 FIZ TECHNIK

File 98:General Sci Abs/Full-Text 1984-2003/Dec

(c) 2003 The HW Wilson Co.

File 135:NewsRx Weekly Reports 1995-2003/Feb W1

(c) 2003 NewsRx

File 149:TGG Health&Wellness DB(SM) 1976-2003/Jan W4

(c) 2003 The Gale Group

File 369:New Scientist 1994-2003/Feb W1

(c) 2003 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

Inventor
Search

6/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014911932
WPI Acc No: 2002-732638/200279
XRAM Acc No: C02-207224
XRPX Acc No: N02-577769

Use of an ethylene oxide sterilized polyethylene, polypropylene and/or polyethylene terephthalate container for improving the stability of an aqueous pharmaceutical composition susceptible to oxidative degradation
Patent Assignee: NOVARTIS AG (NOVS); NOVARTIS ERFINDUNG VERW GES MBH (NOVS)

Inventor: FETZ A; KIS G L ; PEPIOT M
Number of Countries: 087 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200251452	A1	20020704	WO 2001EP15126	A	20011220	200279 B

Priority Applications (No Type Date): EP 2000128318 A 20001222

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 200251452 A1 E 15 A61L-002/20

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH HR HU ID IL IN IS JP KE, KG KP KR KZ LC LK LT LU LV MA MD MK MN MX NO NZ OM PH PL PT RO RU SE SG SI SK TJ TM TN TR TT UA US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GR IE IT LU MC NL PT SE TR

Abstract (Basic): WO 200251452 A1

NOVELTY - Improving stability of a pharmaceutical composition sensitive to oxidation involves exposing an empty sterilized polyethylene (PE), polypropylene (PP) and/or polyethylene terephthalate (PET) **container** to ethylene oxide (ETO) at room temperature, removing the ETO, transferring the composition into the **container** in aseptic conditions, and closing the **container** with a closing device.

DETAILED DESCRIPTION - Improving stability of a pharmaceutical composition sensitive towards oxidation involves:

(a) exposing an empty PE, PP and/or PET **container** to ETO at room temperature;

(b) removing the ETO from the **container** and aseptic conditions for a period to achieve ETO content of less than 1 parts per million (ppm);

(c) transferring under aseptic conditions the pharmaceutical composition into the sterilized **container**; and

(d) closing the **container** containing the composition with a closing device.

INDEPENDENT CLAIMS are included for the following:

(1) Production of a stable pharmaceutical composition in a **container** with ethylene oxide (ETO), the step (b) under air diffusion conditions, the step (c) and the step (d).

USE - For improving stability of a pharmaceutical composition e.g. aqueous ophthalmic composition, sensitive towards oxidation or susceptible to oxidative degradation (claimed).

ADVANTAGE - Improves stability of the composition sensitive towards oxidation or susceptible to oxidative degradation. The composition comprises further ingredients to meet the prerequisites for ocular tolerability.

pp; 15 DwgNo 0/0
Title Terms: ETHYLENE; OXIDE; STERILE; POLYETHYLENE; POLYPROPYLENE;
POLYETHYLENE; TEREPHTHALATE; **CONTAINER** ; IMPROVE; STABILISED; AQUEOUS;
PHARMACEUTICAL; COMPOSITION; SUSCEPTIBILITY; OXIDATION; DEGRADE
Derwent Class: A96; B07; P34; Q31
International Patent Class (Main): A61L-002/20
International Patent Class (Additional): B65B-055/02
File Segment: CPI; EngPI

6/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013556924
WPI Acc No: 2001-041131/200105
XRAM Acc No: C01-011982
XRPX Acc No: N01-030645

**Pharmaceutical package, e.g. eye drops dispenser, made of autoclave
resistant polypropylene**

Patent Assignee: NOVARTIS AG (NOVS); NOVARTIS-ERFINDUNGEN VERW GES MBH
(NOVS); KIS G L (KISG-I); KRAUTLER E (KRAU-I)

Inventor: **KIS G L** ; KRAEUTLER E; **KRAUTLER E**

Number of Countries: 094 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200073156	A1	20001207	WO 2000EP4828	A	20000526	200105 B
AU 200047588	A	20001218	AU 200047588	A	20000526	200118
US 20020020713	A1	20020221	WO 2000EP4828	A	20000526	200221
			US 2001973256	A	20011009	
BR 200011009	A	20020219	BR 200011009	A	20000526	200222
			WO 2000EP4828	A	20000526	
EP 1181197	A1	20020227	EP 2000929561	A	20000526	200222
			WO 2000EP4828	A	20000526	
NO 200105706	A	20011122	WO 2000EP4828	A	20000526	200223
			NO 20015706	A	20011122	
KR 2002012588	A	20020216	KR 2001715178	A	20011127	200257
CN 1351564	A	20020529	CN 2000807676	A	20000526	200258
HU 200201399	A2	20020828	WO 2000EP4828	A	20000526	200264
			HU 20021399	A	20000526	
ZA 200109598	A	20020828	ZA 20019598	A	20011121	200264
CZ 200104236	A3	20020911	WO 2000EP4828	A	20000526	200268
			CZ 20014236	A	20000526	

Priority Applications (No Type Date): EP 99110355 A 19990528

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200073156 A1 E 13 B65D-001/02

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH
CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200047588 A B65D-001/02 Based on patent WO 200073156

US 20020020713 A1 B65D-035/00 CIP of application WO 2000EP4828

BR 200011009 A B65D-001/02 Based on patent WO 200073156

EP 1181197 A1 E B65D-001/02 Based on patent WO 200073156

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

NO 200105706 A B65D-001/02

*the
Patent*

KR 2002012588 A A61J-001/05
 CN 1351564 A B65D-001/02
 HU 200201399 A2 B65D-001/02 Based on patent WO 200073156
 ZA 200109598 A 18 B65B-000/00
 CZ 200104236 A3 B65D-001/02 Based on patent WO 200073156

Abstract (Basic): WO 200073156 A1

NOVELTY - A pharmaceutical package, e.g. tube or dropper **bottle** assembly, is made of polypropylene. It shows no deformation, e.g. shrinkage or blowing-up, and retains high squeezability after autoclaving processing of at least 121degreesC for at least 20 minutes.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of sterilizing the package comprising placing closed package into an autoclaving chamber, and adjusting the temperature and pressure in the chamber as a function of time. The counter pressure is generated in the chamber, regulated electronically via computer control, and avoids a deformation of the package.

USE - For dispensing a product, e.g. liquid ophthalmic solution, gel or ointment.

ADVANTAGE - The package meets the requirements of the European Pharmacopoeia, 3rd edition (1997) and guidance notes in EU-regulations.

pp; 13 DwgNo 0/0

Title Terms: PHARMACEUTICAL; PACKAGE; EYE; DROP; DISPENSE; MADE; AUTOCLAVE; RESISTANCE; POLYPROPYLENE

Derwent Class: A92; B07; P33; Q31; Q32; Q33

International Patent Class (Main): A61J-001/05; B65B-000/00; B65D-001/02; B65D-035/00

International Patent Class (Additional): B65B-055/02; B65D-055/02

File Segment: CPI; EngPI

6/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012804713

WPI Acc No: 1999-610943/199952

XRAM Acc No: C99-177850

Stabilization of pharmaceutical (particularly ophthalmic) compositions against decomposition caused by heat, light and/or oxygen exposure

Patent Assignee: NOVARTIS AG (NOVS); NOVARTIS-ERFINDUNGEN VERW GES MBH (NOVS); KIS G L (KISG-I)

Inventor: **KIS G L**

Number of Countries: 087 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9951230	A1	19991014	WO 99EP2221	A	19990331	199952 B
AU 9938119	A	19991025	AU 9938119	A	19990331	200011
NO 200004872	A	20001109	WO 99EP2221	A	19990331	200067
			NO 20004872	A	20000928	
BR 9909329	A	20001212	BR 999329	A	19990331	200102
			WO 99EP2221	A	19990331	
CZ 200003579	A3	20010117	WO 99EP2221	A	19990331	200107
			CZ 20003579	A	19990331	
EP 1098649	A1	20010516	EP 99920582	A	19990331	200128
			WO 99EP2221	A	19990331	
CN 1295474	A	20010516	CN 99804716	A	19990331	200146
ZA 200005098	A	20010926	ZA 20005098	A	20000922	200161
KR 2001042361	A	20010525	KR 2000710926	A	20000930	200168
MX 2000009596	A1	20010401	MX 20009596	A	20000929	200171

JP 2002510627	W	20020409	WO 99EP2221	A	19990331	200227
			JP 2000542001	A	19990331	
HU 200101582	A2	20020328	WO 99EP2221	A	19990331	200234
			HU 20011582	A	19990331	
US 20020103196	A1	20020801	WO 99EP2221	A	19990331	200253
			US 2000627799	A	20000728	
			US 200133285	A	20011221	
US 6455547	B1	20020924	WO 99EP2221	A	19990331	200266
			US 2000627799	A	20000731	
			US 200133285	A	20011221	

Priority Applications (No Type Date): EP 98106046 A 19980402

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9951230	A1	E	19	A61K-031/445	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
AU 9938119	A				Based on patent WO 9951230
NO 200004872	A			A61K-047/32	
BR 9909329	A			A61K-031/445	Based on patent WO 9951230
CZ 200003579	A3			A61K-031/445	Based on patent WO 9951230
EP 1098649	A1	E		A61K-031/445	Based on patent WO 9951230
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
CN 1295474	A			A61K-031/445	
ZA 200005098	A		20	A61K-000/00	
KR 2001042361	A			A61K-031/445	
MX 2000009596	A1			A61K-031/445	
JP 2002510627	W		21	A61K-047/32	Based on patent WO 9951230
HU 200101582	A2			A61K-031/445	Based on patent WO 9951230
US 20020103196	A1			A61K-031/53	Cont of application WO 99EP2221
					Cont of application US 2000627799
US 6455547	B1			A61K-031/445	Cont of application WO 99EP2221
					Cont of application US 2000627799

Abstract (Basic): WO 9951230 A1

NOVELTY - Stabilization of a pharmaceutical composition comprises contacting it with a polymeric material containing an antioxidant, the polymeric material being insoluble in the pharmaceutical composition.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the use of an antioxidant which is incorporated into a polymeric material for the stabilization of a pharmaceutical and in particular an ophthalmic composition.

USE - The method is for stabilizing pharmaceutical compositions against decomposition caused by heat, light and/or oxygen exposure.

ADVANTAGE - Incorporation of the antioxidant into the polymeric material e.g. a plastic **bottle**, means that it can be omitted from the pharmaceutical composition itself, thus enhancing the tolerability of the composition since the antioxidant is not administered to the organism.

Ketotifen eye drops with a pH of 5.06, an osmolality of 247 mOsmol and a ketotifen hydrogen fumarate content of 97.7% in 10 ml PP- **bottles** containing Iganox 1330 were subjected to a stress test for 15 hours at 80 degreesC and it was found that the ketotifen hydrogen fumarate content was 96.2%, the percentage of known degradation products was 0.04%, the pH was 4.96 and the osmolality was 248 mOsmol. Corresponding values for the same eye drops in 10 ml PE- **bottles** which were free

from antioxidant were 73.7%, 2.6%, 4.42 and 247.
pp; 19 DwgNo 0/0
Title Terms: STABILISED; PHARMACEUTICAL; OPHTHALMIC; COMPOSITION; DECOMPOSE
; CAUSE; HEAT; LIGHT; OXYGEN; EXPOSE
Derwent Class: A96; B05; B07
International Patent Class (Main): A61K-000/00; A61K-031/445; A61K-031/53;
A61K-047/32
International Patent Class (Additional): A61K-009/08; A61K-009/10;
A61K-009/14; A61K-031/05; A61K-031/07; A61K-031/203; A61K-031/4535;
A61K-047/10; A61K-047/14; A61K-047/20; A61K-047/22; A61K-047/24;
A61P-027/02
File Segment: CPI

6/5/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010402848 **Image available**
WPI Acc No: 1995-304162/199540
Food container with movable closure - which seals variable volume of food NoAbstract
Patent Assignee: SZIGETI G (SZIG-I)
Inventor: **KIS G** ; SZIGETI G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
HU 69143	T	19950828	HU 913348	A	19911024	199540 B

Priority Applications (No Type Date): HU 913348 A 19911024
Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
HU 69143	T		B65D-001/10	

Title Terms: FOOD; **CONTAINER** ; MOVE; CLOSURE; SEAL; VARIABLE; VOLUME; FOOD
; NOABSTRACT
Derwent Class: Q32; Q33
International Patent Class (Main): B65D-001/10
International Patent Class (Additional): B65D-043/00
File Segment: EngPI

6/5/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01380148
Pharmaceutical compositions comprising ketotifen
Pharmazeutische Zusammensetzungen mit Ketotifen
Compositions pharmaceutiques a base de ketotifene
PATENT ASSIGNEE:
Novartis AG, (2240429), Lichtstrasse 35, 4056 Basel, CH\ (Applicant
designated states: , BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; CY)
Novartis-Erfindungen Verwaltungsgesellschaft m.b.H., (2317280), Brunner
Strasse 59, 1235 Wien, AT\ (Applicant designated states: , AT)
INVENTOR:
Kis, Gyorgy Lajos , Keberlistrasse 21, 8273 Triboltingen, (CH)
LEGAL REPRESENTATIVE:
Becker, Konrad et al (59743), Novartis AG Corporate Intellectual Property
Patent- und Markenabteilung, 4002 Basel, (CH)

PATENT (CC, No, Kind, Date): EP 1172098 A1 020116 (Basic)
APPLICATION (CC, No, Date): EP 2001124282 990113;
PRIORITY (CC, No, Date): EP 98810016 980115
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
EP 1047406 (EP 99906123)
INTERNATIONAL PATENT CLASS: A61K-009/00

ABSTRACT EP 1172098 A1

The present invention describes an autoclavable ophthalmic composition comprising an ophthalmically effective drug. The invention further relates to a method for stabilizing an ophthalmic drug.
ABSTRACT WORD COUNT: 26

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020116 A1 Published application with search report
Examination: 020116 A1 Date of request for examination: 20011018
LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200203	74
SPEC A	(English)	200203	1965
Total word count - document A			2039
Total word count - document B			0
Total word count - documents A + B			2039

6/5/6 (Item 6 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT
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00504703

AUTOCLAVABLE PHARMACEUTICAL COMPOSITIONS CONTAINING A CHELATING AGENT
COMPOSITIONS PHARMACEUTIQUES AUTOCLAVABLES, CONTENANT UN CHELATEUR

Patent Applicant/Assignee:

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Inventor(s):

KIS Gyorgy Lajos

Patent and Priority Information (Country, Number, Date):

Patent: WO 9936055 A1 19990722
Application: WO 99EP160 19990113 (PCT/WO EP9900160)
Priority Application: EP 98810016 19980115

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
GA GN GW ML MR NE SN TD TG

Main International Patent Class: A61K-009/00

International Patent Class: A61K-047/18

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3257

English Abstract

The present invention describes an autoclavable ophthalmic composition

comprising an ophthalmically effective drug. The invention further relates to a method for stabilizing an ophthalmic drug.

Set	Items	Description
S1	53	AU='KIS G':AU='KIS GYORGY LAJOS'
S2	3	AU='KRAUTLER E':AU='KRAUTLER ECKHARD'
S3	53	S1:S2
S4	9	S3 AND (BOTTLE? ? OR CONTAINER? ?)
S5	9	IDPAT (sorted in duplicate/non-duplicate order)
S6	6	IDPAT (primary/non-duplicate records only)

? show files

File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)

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File 348:EUROPEAN PATENTS 1978-2003/Feb W01

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File 349:PCT FULLTEXT 1979-2002/UB=20030206,20030123

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200310

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File 371:French Patents 1961-2002/BOPI 200209

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